

Abstract of the Disclosure

Yeast extract is produced by using a strain of *Saccharomyces cerevisiae*, which can contain 1% by weight or more of γ -glutamylcysteine and contains 0.004-0.1% by weight of glutathione during its logarithmic growth phase, when the strain is cultured in a medium in which a glutathione synthetase deficient strain shows a slower growth rate than a wild strain of *Saccharomyces cerevisiae*, for example, a strain of *Saccharomyces cerevisiae*, wherein glutathione synthetase encoded by a glutathione synthetase gene on a chromosome has deletion of a C-terminus region from the 370th arginine residue. There are provided yeast that can be used for production at industrial level and shows a high γ -glutamylcysteine accumulation amount, and yeast extract produced by using the yeast.